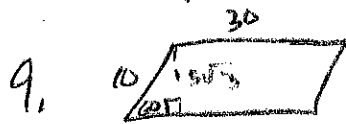


202

11.1 HW p 598 9-11, 18

11.2 p 606 13-17, 25, 27, 30

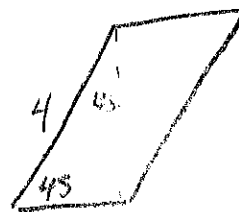


$$A = 30 \cdot 5\sqrt{3}$$

$$150\sqrt{3} \approx 259.8 \text{ m}^2$$

$$P = 2(10 + 30) \cdot 80 \text{ in}$$

$$\begin{array}{r} 30 \overline{) 60990} \\ 5 \overline{) 555} \quad 10 \end{array}$$



$$\begin{array}{r|l} 45 & 45 & 90 \\ \hline 20\sqrt{3} & 20\sqrt{3} & 4 \end{array}$$

$$A = (2\sqrt{2})(2\sqrt{2}) = 8 \text{ m}^2$$

$$P = (4 + 4\sqrt{2})2 = 13.7 \text{ m}$$

$$11. A = 5.4^2 = 29.2 \text{ cm}^2$$

$$P = 4 \cdot 5.4 = 21.6 \text{ cm}$$

$$18. x(x+15) = 100$$

$$x^2 + 15x - 100 = 0$$

$$(x+20)(x-5) = 0$$

$$x = -20 \quad x = 5$$

$$h = 5$$

$$b = 20 \text{ m}$$

p 606

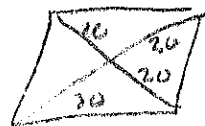
$$13. A = \frac{1}{2}(3.4)(7.5)$$

$$12.4 \text{ cm}^2$$

$$15. A = \frac{1}{2} 7 \cdot 10 \cdot 2$$

$$35.7 \text{ ft}^2$$

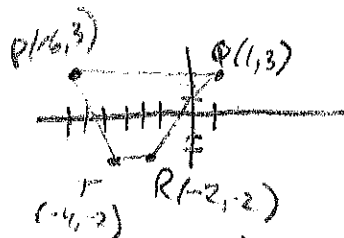
17.



$$A = \frac{1}{2} 40 \cdot 60$$

$$1200 \text{ ft}^2$$

25.



$$PQ = 7$$

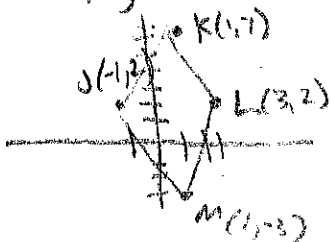
$$TR = 2$$

$$h = 5$$

$$A = \frac{1}{2} 5(7+2)$$

$$22.5 \text{ m}^2$$

27.



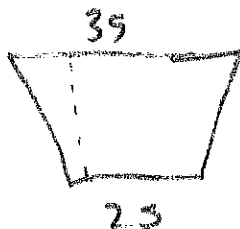
$$KM = \sqrt{(1-1)^2 + (7-3)^2} = 4$$

$$JL = \sqrt{(3-1)^2 + (2-2)^2} = 2$$

$$A = \frac{1}{2} 10 \cdot 4$$

$$20 \text{ m}^2$$

30.



$$A = \frac{1}{2} h(b_1 + b_2)$$

$$750 = \frac{1}{2} h(35+25)$$

$$750 = 30h$$

$$25 \text{ m} = h$$